TRANSLATION PATENT COOPERATION TREATY POT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference AY05-0125W02			FOR FURTHER ACTION See Form PCT/IPEA/416		See Form PCT/IPEA/416				
International application No.			International filing da	te (day/month/year)	Priority date (day/month/year)				
PCT/JP2005/002209			15.02.200	5	01.03.2004				
International Patent Classification (IPC) or national classification and IPC									
C23C14/34, H01L21/285									
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Applicant									
Nippon Mining & Metals Co., Ltd.									
u	under Article 35 and transmitted to the applicant according to Article 36.								
2. Т	This REPORT consists of a total of 3			sheets, including this cover sheet.					
3. T	3. This report is also accompanied by ANNEXES, comprising:								
í	a. (sent to the a	pplicant and t	o the International Bu	reau) a total of 3	sheets, as follows:				
					mended and are the basis for this report and/or				
	sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).								
	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental								
	Box.								
ŀ	b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s))								
	, containing a sequence listing and/or tables								
related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).									
4. T	This report contains indi	cations relating	g to the following iten	ns:					
	Box No. I	Basis of the r	report						
	Box No. II	Priority							
	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability								
	Box No. IV Lack of unity of invention								
	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement								
	Box No. VI Certain documents cited								
	Box No. VII Certain defects in the international application								
	Box No. VIII Certain observations on the international application								
Date of submission of the demand Date of completion of this report									
San of Sastingston of the delimine				Date of completion of th	is report				
Name and mailing address of the IPEA/JP				Authorized officer					
				- administration					
Enginila No.				Talanhana No					

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2005/002209

Вох	No. I	Basis of the report							
1.		regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise ted under this item.							
			report is based on translations from the original language into the following language h is the language of a translation furnished for the purposes of:						
		international search (Rule 12.3 and 23.1(b))	international search (Rule 12.3 and 23.1(b))						
		publication of the international application (Rule	publication of the international application (Rule 12.4)						
		international preliminary examination (Rule 55.2 and/or 55.3)							
2.		gard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the g Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to ort):							
		the international application as originally filed/furnished							
	\boxtimes	the description:	escription:						
		pages		as originally filed/furnished					
		pages* 5	received by this Authority on	22.08.2005					
		pages*	received by this Authority on						
	\boxtimes	the claims:							
		nos.		as originally filed/furnished					
		nos.*	as amended (togethe	er with any statement) under Article 19					
		nos.* _ 7,8	received by this Authority on	25.01.2006					
		nos.* _ 1,4	received by this Authority on	21.04.2006					
		the drawings:							
		sheets		as originally filed/furnished					
		sheets*	received by this Authority on						
		sheets*	received by this Authority on						
		a sequence listing and/or any related table(s) – see Sup	quence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.						
3.	\boxtimes	The amendments have resulted in the cancellation of:	amendments have resulted in the cancellation of:						
		the description, pages	the description, pages						
		the claims, nos. 2,3,5,6,9,10	the claims, nos. 2,3,5,6,9,10						
		the drawings, sheets/figs	the drawings, sheets/figs						
		the sequence listing (specify):							
		any table(s) related to sequence listing (specify):							
4.			report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).						
		the description, pages							
		the claims, nos.							
		the drawings, sheets/figs	the drawings, sheets/figs						
		the sequence listing (specify):	the sequence listing (specify):						
		any table(s) related to sequence listing (specify):							
*	If ite	om 4 applies, some or all of those sheets may be marked "superseded."							

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

PCT/JP2005/002209

- 2. Citations and explanations (Rule 70.7)
 - Document 1: JP 11-293454 A (Hitachi Metals, Ltd.), 26
 October 1999, claim 1, claim 6 and
 paragraphs [0028], [0043] and [0060]
 (Family: none)
 - Document 2: JP 9-228037 A (Tomonobu HATA), 02 September 1997, claim 1; paragraphs [0002] and [0008]; and fig. 4 (Family: none)
 - Document 3: JP 6-136524 A (Mitsubishi Kasei Corp.), 17

 May 1994, paragraph [0012] (Family: none)
 - Document 4: JP 2000-199054 A (Kobe Steel Ltd.), 18 July 2000, claim 1 and paragraphs [0035] to [0064] (Family: none)

The sputtering target that comprises Co, Cr, Pt and B, which is characterized in that a non-ductile substance is present within the matrix phase in an amount of 1 to 50% by volume and in that no defects with a size larger than 10 μ m are formed in the surface of the sputtering target during the machining process, is not disclosed in the documents that are cited in the international search report or in any of the documents that are cited in the second written opinion, and would not have been obvious to a person skilled in the art.